Abstract

The present invention provides a method for producing a hydrogenated petroleum resin employed as a tackifying resin and formed from a cyclopentadiene compound and a vinyl aromatic compound, wherein both enhancement of adhesion performance of the tackifying resin and productivity of the resin can be attained.

The method of the invention for producing a hydrogenated petroleum resin includes the steps of: polymerizing a cyclopentadiene compound and a vinyl aromatic compound through solution copolymerization in a first solvent; removing the solvent so as to isolate the formed copolymer; hydrogenating the isolated copolymer dissolved in a second solvent; and removing the second solvent from the formed hydrogenated reaction mixture for isolating a hydrogenated petroleum resin, wherein the first solvent comprises a recycled solvent and contains a low-molecular-weight compound which is by-produced during polymerization in an amount of 4 mass% or less, and the removal of the second solvent is performed such that a hydrogenated low-molecular-weight compound remains in an amount of 6 to 10 mass% in the hydrogenated petroleum resin.